

# VANE WHEEL MULTI-JET SUPER DRY DIAL METER

Model DS97TAR(R)/LA-E/A



LIANLI WATER METER



CPFS

COMMERCIAL PLUMBING & FIRE SUPPLIES



## Application

Measures total volume of water passing through the meter

## Special Features

- Magnetic drive with magnetic shield protection
- Vacuum sealed water resistant register to prevent condensation
- High accuracy
- High quality material with life long service
- Can be equipped with pulse output device. The pulse rate would be one pulse per 10 litres or 100 litres.
- High quality materials with long life service

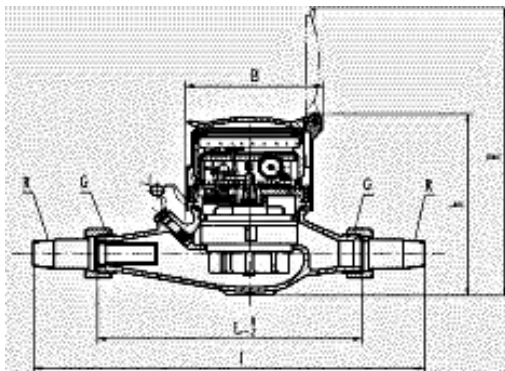
## Operating Conditions

- Maximum water pressure  $\leq 1.6\text{mpa}$  (16bar)
- Water temperature for cold water  $\leq 50\%$  and hot water  $\leq 90\%$

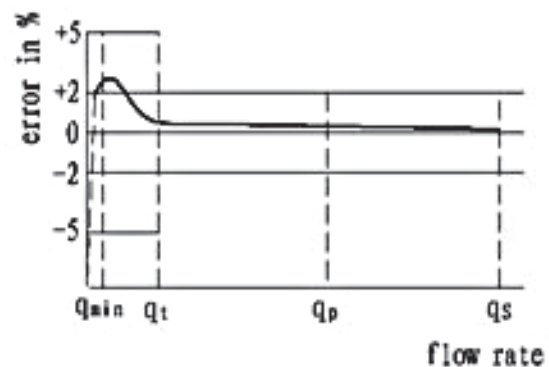
## Maximum Permissible Error

- From  $q_t$  inclusive up to and including  $q_s$  is  $\pm 2\%$
- From  $q_{min}$  inclusive up to but excluding  $q_t$  exclusive is  $\pm 5\%$

Technical data conforms to ISO 4064 Class B standards

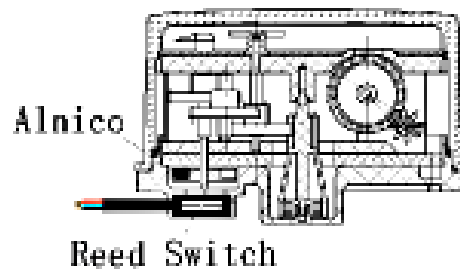
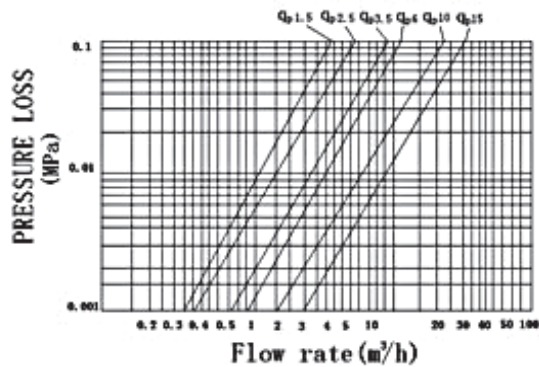


## Flow Error Curve



## Technical Data

### Pressure Loss Error Curve



### Main Technical Specifications

Description	Unit	Hydraulic Data and Dimensions					
Nominal Size	mm	15	20	25	32	40	50
Nominal Size	inch	1/2	3/4	1	1 1/4	1 1/2	2
Overload Flow Rate ( $q_s$ )	m <sup>3</sup> /h	3	5	7	12	20	30
Permanent Flow Rate ( $q_p$ )	m <sup>3</sup> /h	1.5	2.5	3.5	6	10	15
Transitional Flow Rate ( $q_t$ )	l/h	120	200	280	480	800	3000
Minimum Flow Rate ( $q_{min}$ )	l/h	30	50	70	120	200	450
Minimum Reading	l	0.05	0.05	0.05	0.05	0.05	0.05
Maximum Reading	m <sup>3</sup>	99999	99999	99999	99999	999999	999999
Nominal Pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
$\Delta P$ max at $q_s$	MPa	0.05	0.06	0.06	0.09	0.09	0.09
L	mm	165	190	260	260	300	300
G	inch	G3/4B	G1B	G1 1/4B	G1 1/2B	G2B	G2 1/2B
R	inch	R1 1/2	R3/4	R1	R1 1/4	R1 1/2	R2
l	mm	245	290	380	380	440	440
B - Normal	mm	81	81	94	94	128	128
B - Remote Transmission	mm	79	79	94	94	128	128
h - Normal	mm	105	106	123	128	170	170
h - Remote Transmission	mm	118	118	121	127	170	170
H - Normal	mm	153	154	171	176	225	225
H - Remote Transmission	mm	192	192	171	177	225	225
Weight without connections	kg	0.986	1.15	1.7	2.54	4.42	4.88
Weight with connections	kg	1.259	1.512	2.318	3.17	5.38	6.55

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The CPFS range provides an innovative and cost effective solution for any commercial plumbing project. CPFS is also the exclusive distributor of the LianLi water meters in Australia. Water meters of the Lianli brand perform strictly as per ISO 4064 Class B, EEC Standard 75/33/EEC and British National Standard GB/T778. All water meters are UL listed and FM approved and some products have WaterMark Certificate of Conformity.